



**AMAZONE**



## **Orientation Aid for the Start of the Season Catros+/CatrosXL x003-2TX**



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# 1. General information

- Use of this document requires that the **operating manual** for the implement has been read and understood. The corresponding documents are shown on the right side.
- For this reason, it is **necessary** to refer to the operating manual for additional information. The **operating manual** must **always be available** when performing the orientation aid for the start of the season with the Catros+/CatrosXL x003-2TX.
- The **Orientation Aid for the Start of the Season - Catros+/CatrosXL x003-2TX** document serves as a guideline for the user to check the implement for the new season and to put it back into operation. This document is based on the current implement generation and is also only valid for this version.



MG5526



MG6462

## 2. Requirements for operating the implement

### Requirements for the hitches

- Lower link hitch – Cat. 3/Cat. 4N/Cat. K700
- Ball hitch coupling
- Drawbar eye

**PLEASE NOTE:** (see spare parts portal for the product range)

### Requirements for the tractor pulling power

- Starting at 30 HP/m of working width for Catros+ x003-2TX
- Starting at 40 HP/m of working width for CatrosXL x003-2TX

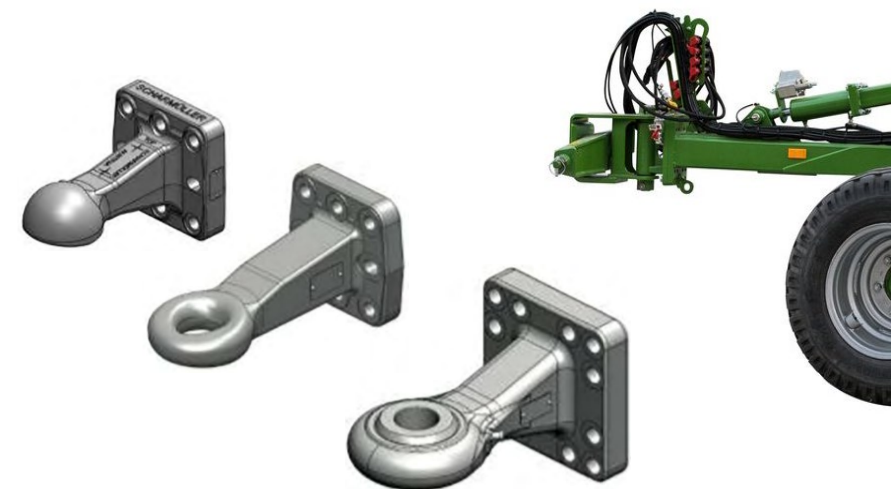
### Requirements for the tractor hydraulic system

- Depending on the equipment, 2 – 5 double-acting control units (with pressureless return flow)
- Oil capacity of min. 150 bar at 15 l/min (30 l/min with GreenDrill 501)
- Maximum system pressure 210 bar

### Requirements for ballasting the tractor

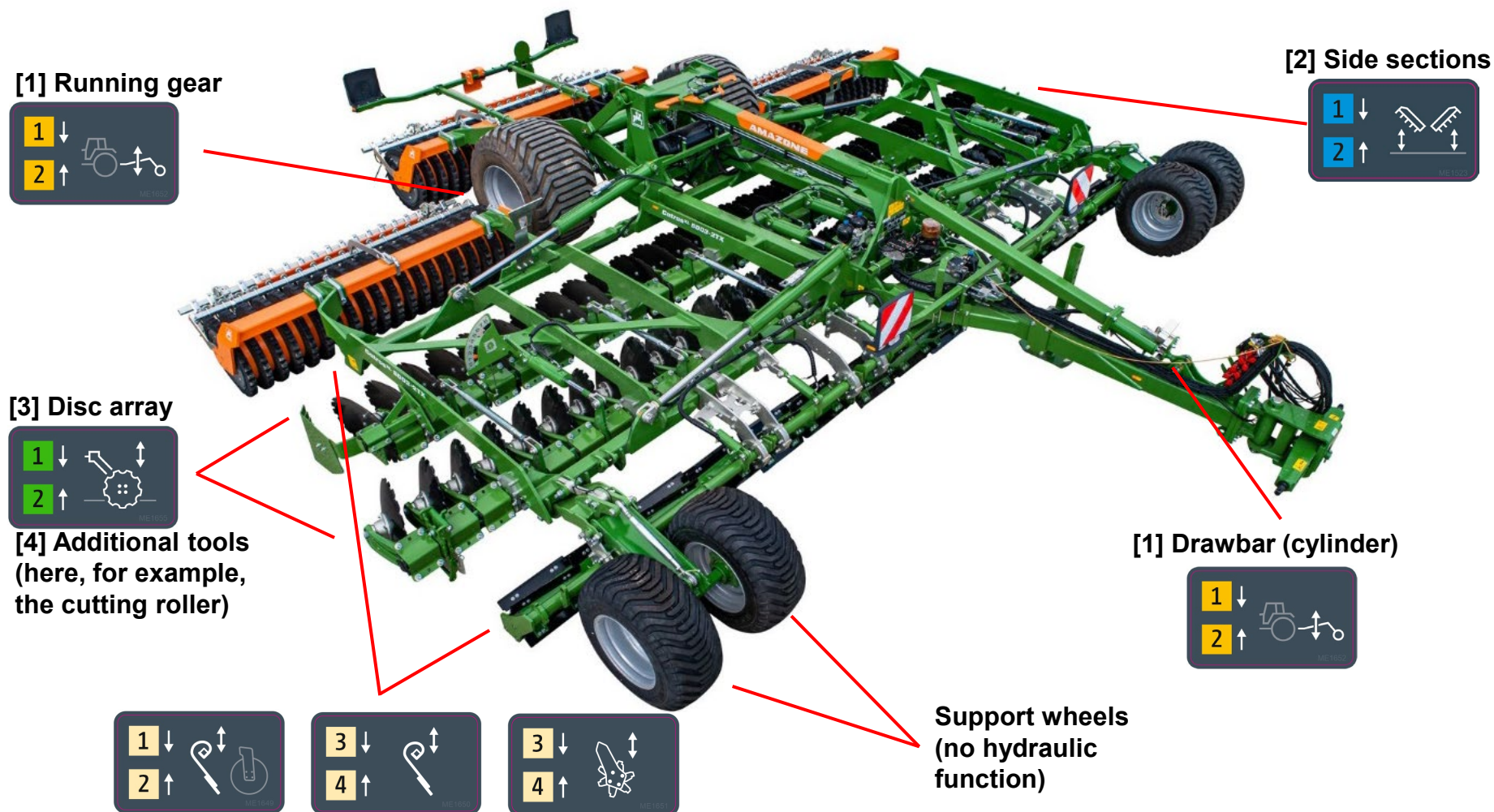
- The permissible total weight of the tractor **MUST** be greater than:
  - Tractor empty weight + ballast weight + drawbar load of the trailed implement
- The tractor front axle must always be loaded with at least 20 % of the tractor empty weight.

- [3] Vehicle identification number
- [4] Permissible technical total weight
- [A0] Permissible technical drawbar load of the implement
- [A1] Permissible technical axle load of the implement
- [B4] Permissible technical trailer load for a vehicle with pneumatic service brake



AMAZONEN-WERKE H. DREYER SE & Co. KG					
1		2			
3				4 kg	
	T-1	T-2	T-3	A-0:	kg
B-2	-	-	-	A-1:	kg
B-4	5	-	-	A-2:	kg

### 3. Assembly groups and functions



[1] Running gear / drawbar cylinder – lowering / lifting the implement – always hydraulic

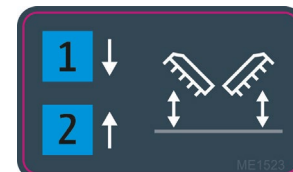
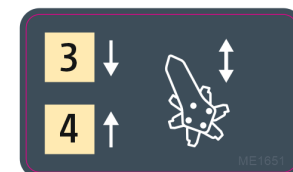
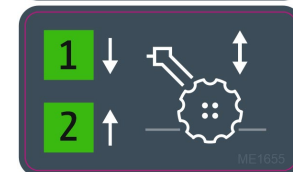
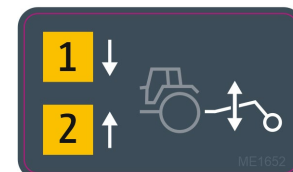
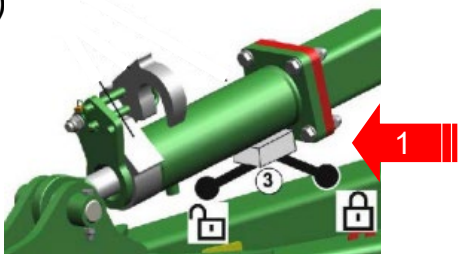
[2] Side sections – unfolding / folding the implement – always hydraulic

[3] Working depth adjustment – increasing / reducing the working depth – choice of mechanical or hydraulic adjustment

[4] Additional tools – option of mechanical or hydraulic control

## 4. Hitching the implement and coupling the hydraulic system

1. Hitch the implement.
2. Connect the hydraulic plugs to the connections of the tractor hydraulic system.
3. Open the drawbar cylinder ball valve [1].
4. Lift the implement [ 2 ↑ ] and fold the jack (release the parking brake beforehand if applicable)








### TIP:

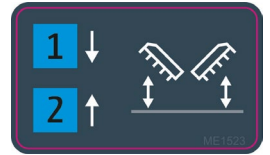
- Select the control units according to the frequency of use during operation.  
**Suggestion >>> yellow / green / beige / blue**
- Couple the **hydraulic plugs 1 and 3** on the side of the tractor control unit (–) , which can be directly switched to float position after actuation.





## 5. Unfolding the implement

1. Completely lift the implement 
2. Use [  ] to completely pull / fold the side sections onto the centre frame .
3. Then unfold the implement [  ] .

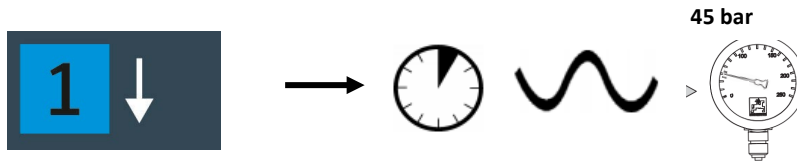


### PLEASE NOTE:

- For the blue control unit, set the **maximum oil quantity** (l/min).
- After unfolding, **ALWAYS SWITCH TO FLOAT POSITION!**

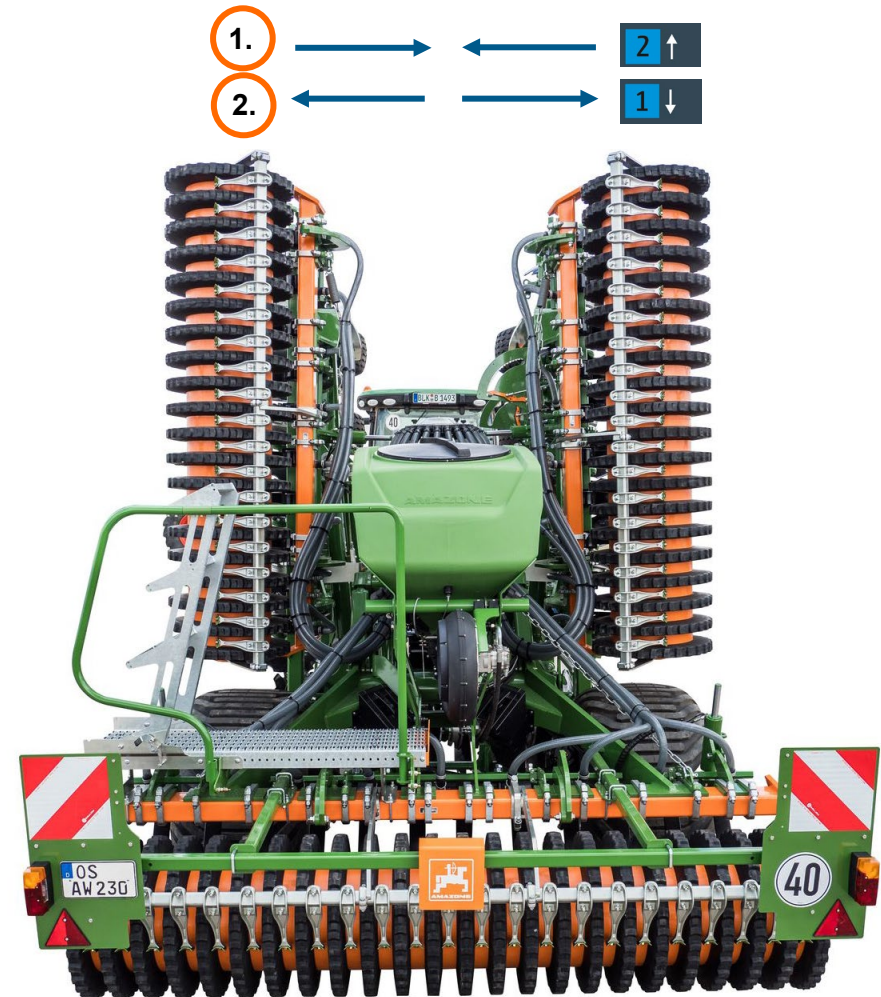
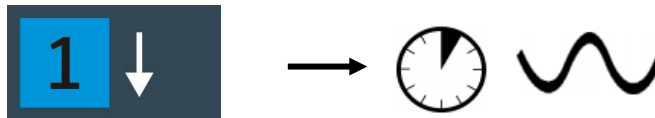
### Implements with ContourFrame

- Pressure for hydraulic ground contour adaptation at **45 bar (factory setting)**



### Implements without ContourFrame

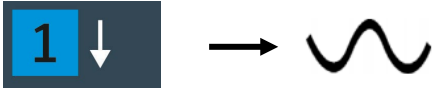
- No hydraulic ground contour adaptation



## 6. Basic positions of the implement

### Headlands position

1. Implement completely unfolded – blue then switched to float position

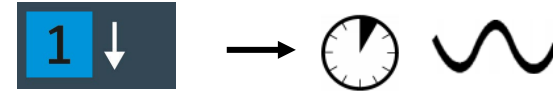


2. Lift the implement completely – yellow then switched to "0" position

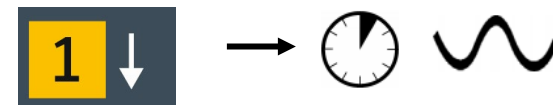


### Working position

1. Implement completely unfolded – **blue** in float position (**only during start-up**)

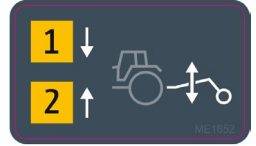


2. Lower the implement completely – switch **yellow** to float position (**for every turning procedure**)

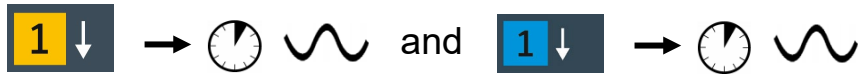




## 7. Setting up the implement – with Contour Frame



1. Move the implement to the **headland position**.
2. Length of the support wheel spindles [1] at factory setting (see table)?
3. **Spacer elements** on the drawbar cylinder (beginning with **15 pieces**) [2].
4. Move the implement into **working position** and pull it forward by a few metres



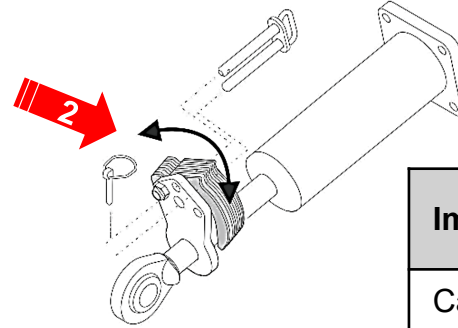
### PLEASE NOTE:

- The drawbar cylinder must rest on the spacer elements
- >> **No play in the upper belt of the drawbar! [3]**
- >> **Otherwise, adjust the number of spacer elements! [2]**

### TIP:

- Optimal force transfer when the rear lifting gear arms on the tractor are horizontal

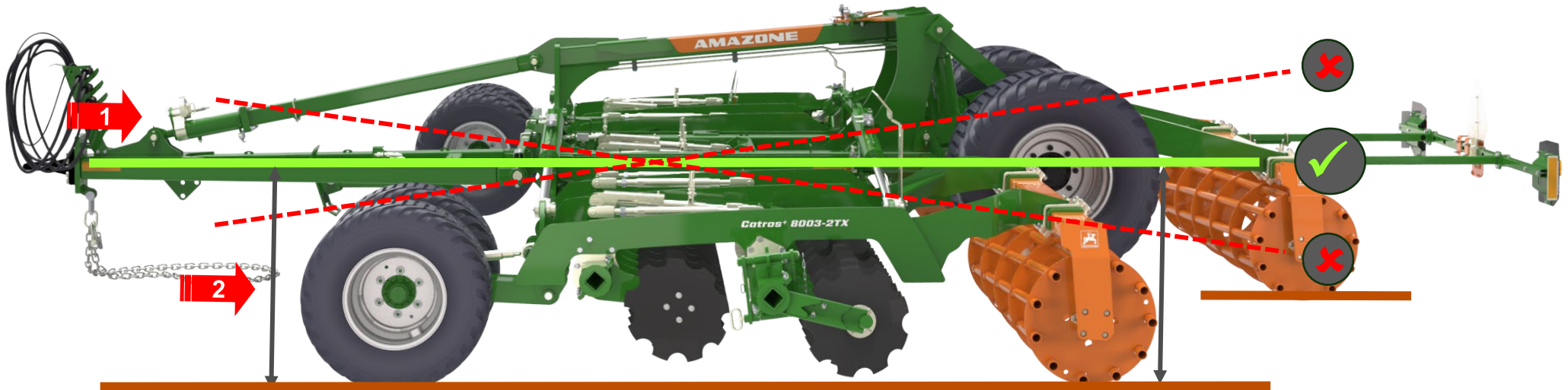
5. Check the position on the field (see next pages)



Implement	Top link of the support wheel bracket - factory
Catros+ x003-2TX	550 mm
CatrosXL x003-2TX	575 mm
Catros+/CatrosXL - with cutting roller	645 mm



## 7.1. Setting up the implement – with Contour Frame – implement position – longitudinally



In an ideal position, the **implement is parallel to the ground over its entire length.**

The requirements are

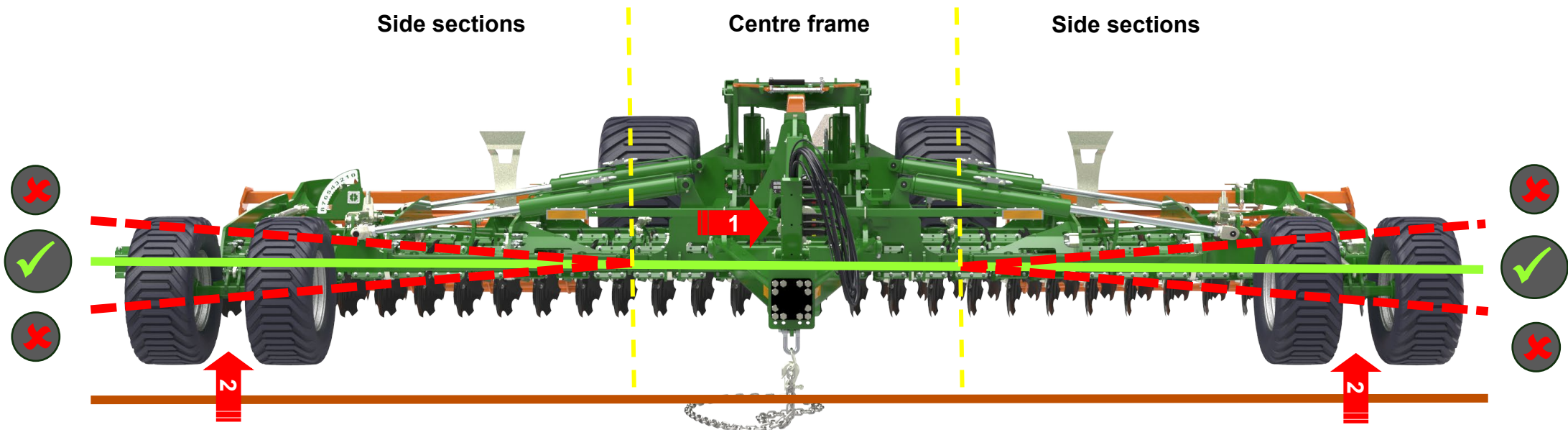
- that the drawbar does **not** rise towards the tractor
- The correct number of spacer elements **[1]** (implements with Contour Frame)
- The correct length of the support wheel spindles (+ support wheel tyre pressure) **[2]**

• **Working position**





## 7.1. Setting up the implement – with Contour Frame – implement position – transversely

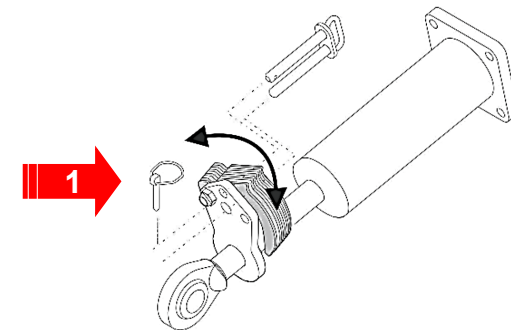


In an ideal position, the **side frames** are aligned in a straight line with the **centre frame** (on a level surface)

The requirements are

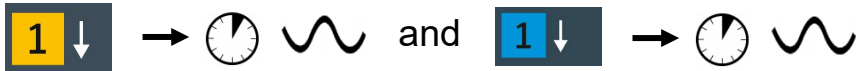
- that the drawbar does **not** rise towards the tractor
- the correct number of spacer elements **[1]** (implements with Contour Frame)
- the correct length of the support wheel spindles (+ support wheel tyre pressure) **[2]**

• **Working position**



## 8. Setting up the implement – without Contour Frame

1. Move the implement to the **headland position**.
2. Length of the support wheel spindles [1] at factory setting (see table)?
3. Move the implement into **working position** and pull it forward by a few metres.



4. Is the centre frame parallel to the ground?
5. The drawbar does **not** rise towards the tractor!

### PLEASE NOTE

#### Hydraulic drawbar with lower link hitch [2]

- Rear lifting gear of the tractor at a fixed height
- Adjust the height of the lower link arms if necessary

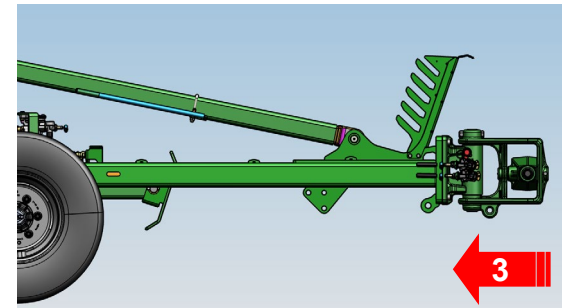
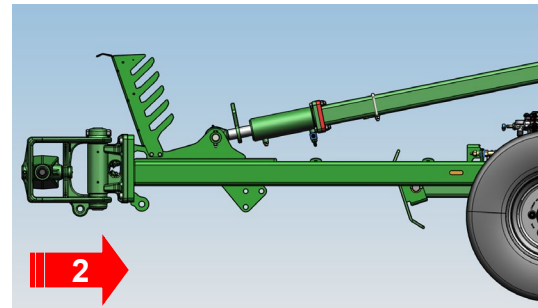
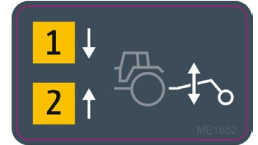
#### Rigid drawbar with lower link hitch [3]

- Rear lifting gear of the tractor in float position

### TIP:

- Optimal force transfer when the rear lifting gear arms on the tractor are horizontal

Implement	Top link of the support wheel bracket - factory
Catros+ x003-2TX	550 mm
CatrosXL x003-2TX	575 mm
Catros+/CatrosXL - with cutting roller	645 mm





## 9. Adjusting the working depth

- Implement in **headlands position**

### Mechanical working depth adjustment

- Adjust the working depth on the ratchet spindles **[1]**. Adjust **all** of the **spindles** to the same length!  
**Shorter = deeper <> Longer = shallower**

### Hydraulic working depth adjustment

- The working depth can be adjusted during field operation with the green control unit



Deeper



Shallower

### PLEASE NOTE:

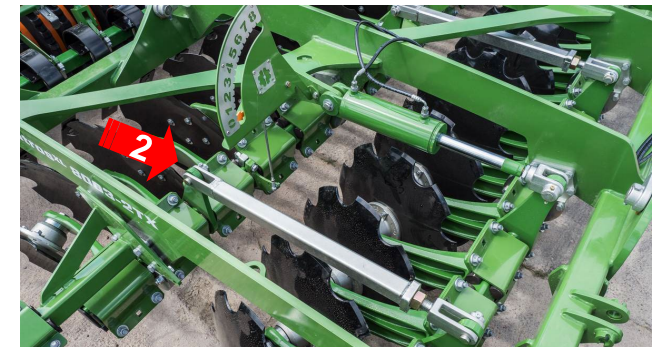
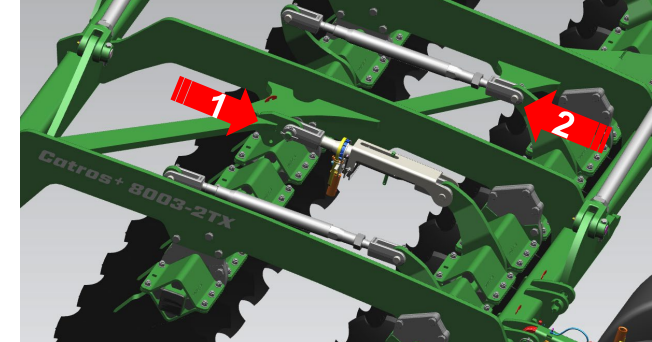
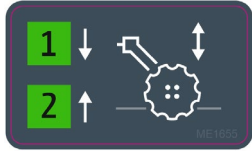
- Flush the depth adjustment circuit** after road travel.
- Set the **minimum working depth** /  for approx. **15 s.**

### Check the work pattern:

- Move the implement into **working position**.
- Drive at working speed (12-18 km/h).
- Expose the tillage horizon / check the work pattern
- Check the working depth of the first and second disc gang.

### Tip:

- The **top link spindles [2]** can be used to compensate for varying disc wear between the two disc gangs.



### Factory settings for the top link spindles

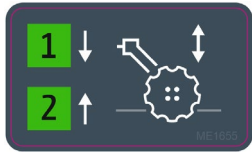
Product type	Factory-set spindle length of the top link disc array
Catros+ x003-2TX	800 mm
CatrosXL x003-2TX	950 mm

## 10. Adjusting the side disc

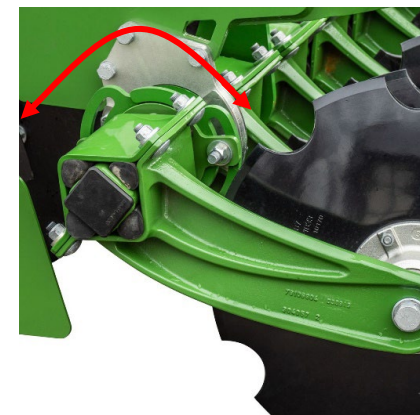
1. Unfold the side discs.
2. Move the implement into **working position** and adjust the working depth (see section 9)
3. Drive at working speed (12-18 km/h).
4. Check the work pattern of the side disc and adjust if necessary.

### Tip:

- The goal is to achieve a side area at the same height as the remaining worked soil horizon!
- Does the side disc leave a furrow?  
 >> Set the side disc shallower.
- Does the side disc form a wall? Lots of soil flies beyond the working width of the implement?  
 >> Set the side disc deeper.




Catros+ x003-2TX side disc



CatrosXL x003-2TX side disc



## 11. Using the crushboard (additional equipment)

1. The working depth can be adjusted during field operation with the beige hydraulic function .



2. Reading of the work intensity as a reference value (!) on the scale – right side section [2].

### PLEASE NOTE:

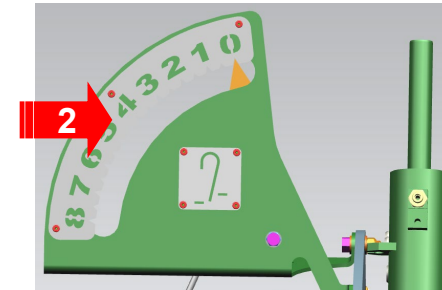
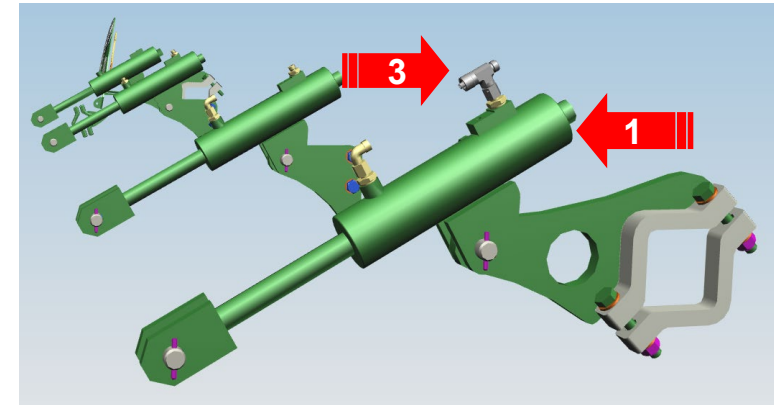
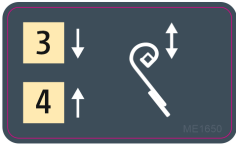
- Flush the depth adjustment circuit after road travel.
- Set the minimum working depth /  for approx. 15 s.

### Check the work pattern:

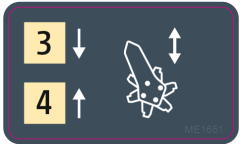
- Move the implement into **working position**.
- Drive at working speed (12-18 km/h).
- Check the flow of soil, work and susceptibility to clogging of the crushboard during operation.

### TIP:

- Adjust the setting speed using the tractor control unit or the throttle valve on the cylinder [3].
- Compensate for wear or work more aggressively by moving the wear plates lower down [4].



## 12. Using the cutting roller (additional equipment)



### Activate the cutting roller

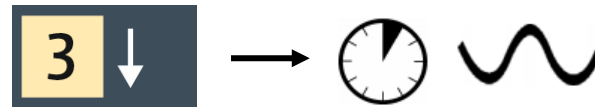
1. Move the implement to the **headland position**.

2. Open ball valve [1]



3. Move the **cutting roller** into **working position** - actuate the control unit until the value on the pressure gauge [2] remains constant – **25 bar**

4. Switch to float position.



5. Move the **entire implement** into **working position**.

### Adjusting the cutting roller

1. Open ball valve [1]



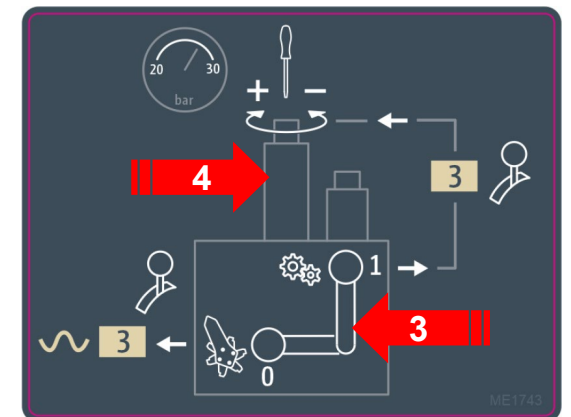
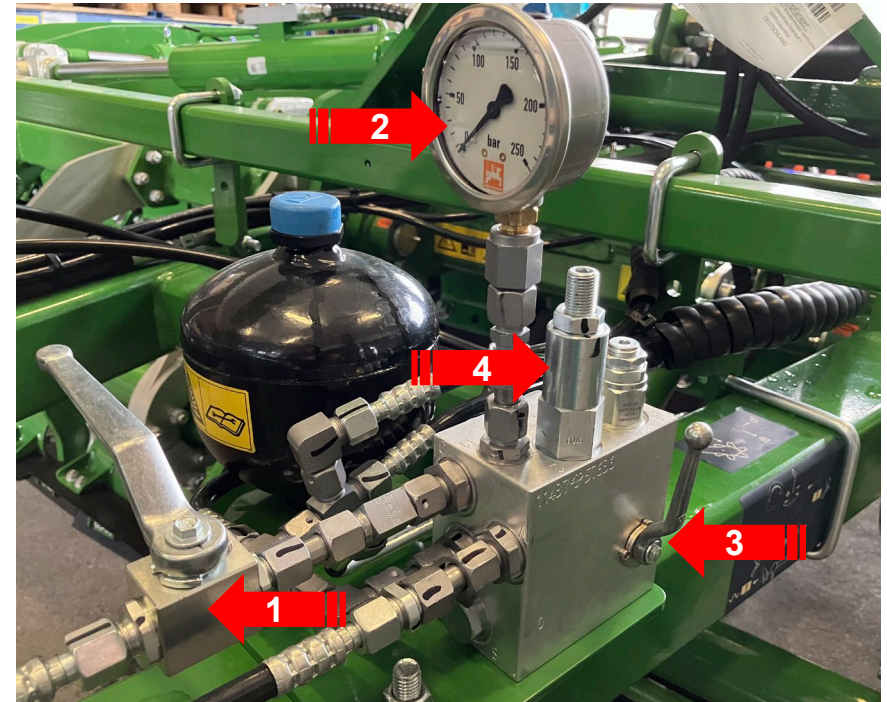
2. Open the stop tap to make settings  [3]

3. Move the **cutting roller** into **working position** – set the control unit to continuous oil flow



4. **Adjust the valve [4] to 25 bar by turning with the spanner.**  
**Maximum preload pressure of 35 bar!**

5. Tighten the valve lock nut and close the ball valve [3] – position 0.

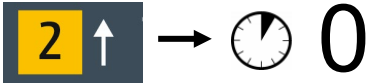




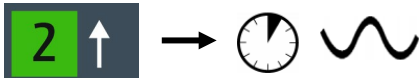
## 13. Preparing for road transport



1. Move the implement to the **headland position**.



2. Set the discs to the minimum working depth

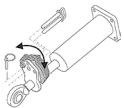


**PLEASE NOTE:** applies also for implements with mechanical working depth adjustment!

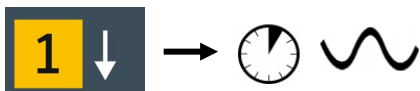
3. Fold the side discs.
4. Fold the implement completely into **headland position**



5. Put all of the spacer elements on the drawbar cylinder.



6. Lower the implement until the drawbar cylinder is resting firmly on the spacer elements – pay attention to a transport height of max. 4 m!



7. Close the stop tap on the drawbar cylinder.
8. Remove loose soil from the discs and mounted roller / check the lighting and the service brake / install the harrow covering strips if applicable

# 14. Preparing for road transport – with crushboard or cutting roller



## Cutting roller

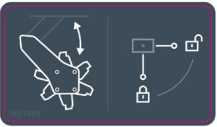
1. Move the implement to the **headland position**.



2. Lift the cutting roller.



3. Close the ball valve.



4. Remove loose soil from the roller segments.



## Crushboard

1. Move the implement into **headlands position**.



2. Lift the crushboard.



3. Remove loose soil from the tines.



## SmartLearning app

The AMAZONE SmartLearning app offers video training courses for the operation of Amazone implements. The video training courses can be downloaded onto your smartphone if necessary, and are therefore available offline. Simply select the desired implement for which you want to watch a video training course.



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